MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JANUARY, 1940

J. A. BROWN, DIRECTOR

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990
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M6
1940
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WEATHER BUREAU

JANUARY 1940

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.2	62.3	64.3	62.9	18.0	12.9	13.7	17.2	14.4	15.1
2	5.0	3.8	3.0	3.9	16.3	10.5	13.6	15.9	14.5	14.7
3	59.8	56.7	56.2	57.6	17.2	12.0	16.3	16.6	16.1	16.3
4	60.1	61.1	63.9	61.7	15.6	12.0	14.7	14.7	12.9	14.1
5	4.5	4.2	4.6	4.4	17.7	12.0	13.9	17.2	14.4	15.2
6	65.1	62.8	62.2	63.4	17.7	12.2	14.7	16.6	14.4	15.2
7	1.0	59.3	58.9	59.7	18.5	12.2	15.5	17.6	14.9	16.0
8	58.0	6.4	7.2	7.2	19.0	12.9	16.1	18.2	12.4	15.6
9	6.1	6.2	7.3	6.5	16.0	10.0	12.8	15.1	12.2	13.4
10	62.0	63.8	63.0	62.9	16.0	11.5	13.6	13.3	12.9	13.3
11	67.7	67.3	67.5	67.5	16.1	10.7	13.4	14.4	12.8	13.5
12	6.6	5.0	5.1	5.6	14.7	9.9	13.8	13.3	12.3	13.1
13	3.6	1.1	0.1	1.6	14.2	9.3	12.8	12.6	12.2	12.5
14	58.6	55.9	58.7	57.7	13.9	7.7	11.9	13.3	12.2	12.5
15	65.0	65.0	64.8	64.9	12.0	7.4	10.0	11.6	10.0	10.5
16	64.5	61.3	61.3	62.4	18.1	6.9	11.4	13.3	11.1	11.9
17	0.4	59.5	1.8	0.8	19.5	10.5	17.4	18.7	13.3	16.5
18	3.5	62.5	2.3	2.8	19.5	11.5	15.8	17.4	13.3	15.5
19	0.0	58.5	59.9	59.5	18.5	11.5	16.2	17.5	14.7	16.1
20	0.3	60.9	62.0	61.1	16.9	12.1	14.9	15.0	14.1	14.7
21	63.6	62.5	62.3	62.8	17.8	12.1	15.7	16.5	14.7	15.6
22	1.5	0.5	59.8	0.6	18.7	11.9	15.4	18.3	15.0	16.2
23	0.7	59.9	60.7	0.4	19.5	14.0	16.7	18.0	15.0	16.6
24	2.8	61.8	1.6	2.1	17.8	12.1	16.1	17.7	13.9	15.9
25	0.0	57.5	58.2	58.9	18.8	11.8	14.7	17.8	15.8	16.1
26	55.6	54.6	55.4	55.2	18.5	13.8	17.8	17.4	14.7	16.6
27	3.4	2.5	2.5	2.8	15.5	9.9	11.1	11.5	11.1	11.2
28	2.4	2.4	4.5	3.1	16.7	8.5	12.5	12.6	12.2	12.4
29	4.4	49.9	0.2	1.5	15.1	5.5	12.7	13.3	14.4	13.5
30	4.1	54.4	6.8	5 1	15.2	9.0	11.9	14.1	12.2	12.7
31	8.8	9.6	60.0	9.5	15.0	9.0	12.2	13.4	12.2	12.6
	760.69	759.65	760.19	760.19	16.90	10.75	14.17	15 68	13.43	14.62

Barometer, range for month 749.9 mm.–767.7 mm.
,, 62-yr. average for month 763.36 mm.
Thermometer, range for month 5.5° C.—19.5° C.
,, 62-yr. average for month 13.72° C.
Rain, total for month 266.19 mm.
,, , 62-yr. average for month 183.90 mm.
,, , total, from Sept. 1st 645.0 mm.
62-yr. average, total from Sept. 1st 554.23 mm.

JANUARY 1940

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	10.0	11.9	9.4	10.4	72	81	77	77	0.0	380.0	21.8
2	9.0	8.9	8.7	8.9	78	67	70	72	3.2	598.0	14.2
3	9.2	9.0	8 5	8.9	67	65	62	65	0.8	812.0	
4	7.8	9.0	8.8	9.5	63	73	79	72	2.3	339.0	14.5
5	8.6	9.8	9.6	9.4	72	67	78	72	0.0	292.8	
6	10.5	10.5	9.6	10.2	84	74	78	79	3.2	170.5	2.5
7	10.1	11.0	8.7	9.9	77	73	70	73	0.2	175.2	
8	7.9	9.3	9.0	8.7	58	60	84	67	2.8	664.2	22.9
9	9.1	10.1	9.2	9.5	82	79	87	83	0.0	792.0	23.6
10	8.8	9.9	8.3	9.0	75	86	74	78	0.0	386.0	7.1
11	8.2	9.0	8.3	8.5	71	73	76	73	5.9	191.2	
12	8.1	7.5	7.1	7.6	69	65	65	66	8.3	426.0	
13	7.4	7.4	9.9	8.2	67	68	94	76	0.2	195.0	
14	8.0	10.7	9.2	9.3	78	94	87	86	0.0	210.0	14.7
15	6.9	6.6	6.7	6.7	74	65	74	71	8.4	231.0	
16	6.5	8.1	7.9	7.5	65	71	80	72	5.1	349.2	
17	9.5	9.7	10.2	9.8	64	61	89	71	2.2	534.0	0.2
18	9.2	10.6	8.6	9.5	69	71	75	72	8.2	168.0	3.6
19	7.4	9.2	10.1	8.9	55	62	81	66	9.8	235.4	
20	7.6	12.2	9.0	9.6	60	96	75	77	0.2	190.0	6.1
21	9.7	10.0	9.7	9.8	74	72	78	75	9.0	140.0	
22	7.9	11.7	9.9	9.8	63	75	78	72	1.5	126.4	
23	10.1	10.0	11.1	10.7	72	65	88	72	0.0	429.0	0.8
24	8.9	9.7	9.8	9.5	63	65	83	70	7.6	116.0	
25	8.2	9.7	10.0	9.3	66	64	75	68	0.0	80.0	
26	9.1	10.2	8.8	9.4	61	69	71	67	0.6	437.0	1.3
27	9.2	9.0	9.5	9.2	93	89	97	93	0.0	437.0	18.0
28	8.5	10.0	9.8	9.4	79	93	93	88	0.0	596.0	23.1
29	8.4	8.0	9.3	8.6	80	70	76	75	0.0	1120.0	82.0
30	7.1	7.5	7.7	7.4	68	62	73	68	0.3	860.0	9.6
31	6.5	7.5	8.0	7.3	61	65	76	67	3.2	274.4	
	8.81	9.47	9.05	9.05	70.3	72.3	78.8	73.7	2.71	385.66	8.58

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

62 year averages are for period, 1875-1936

JANUARY 1940
METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ni	10cu	10ni	10.0	2s	3s	3s	rough	
2	10cu	3cu	3cu	5.3	2sw	3sw	4w	„	
3	10cu	10cu	8cu	9.3	5s	5s	6w	„	
4	9cu	10ni	2ci	7.0	3w	3n	2n	„	
5	10cu	10cu	10cu	10.0	2s	3sw	3sw	slight	
6	7cu	7st	4st	6.0	2s	1s	3s	slight	
7	10st	10st	8st	9.3	1se	1se	2se	„	
8	1st	9stcu	2cu	4.0	3s	5s	3s	„	small tornado 4 p.m.
9	10cu	10cu	10cu	10.0	5s	5s	6s	rough	
10	10cu	10cu	10cu	10.0	5w	3nw	4w	„	
11	7st	4cust	8st	6.3	2se	2n	1n	slight	
12	1cu	7stci	2st	3.3	3n	3n	4n	mod.	
13	10cust	10ni	10ni	10.0	3s	2s	0	„	
14	10cu	10ni	10cu	10.0	1s	2s	2s	rough	
15	8cu	0	0	2.7	2n	1n	3n	slight	
16	0	8st	8st	5.3	3e	2ne	3ne	slight	
17	9st	9ci	10ni	9.3	3s	4se	5se	„	
18	1cu	3cu	2cu	2.0	2se	2se	2se	„	
19	0	0	0	0.0	2se	2n	3n	„	
20	10ni	8cu	7cu	8.3	3s	1s	3s	mod.	
21	0	0	3st	1.0	0	1n	1n	mod.	
22	0	10cu	10cu	6.7	2s	0	2s	slight	
23	10cu	10cu	10ni	10.0	1s	3s	3s	„	lunar halo
24	1cu	1cu	0	0.7	1s	0	2nw	„	
25	10cu	10cu	10cu	10.0	2se	1se	1se	calm	
26	10cu	10cu	8cu	9.3	3s	4sw	2sw	slight	
27	10cu	10ni	10ni	10.0	3se	4s	2s	mod.	
28	10ni	10ni	10cu	10.0	3s	5s	4s	rough	
29	10ni	10ni	10cu	10.0	4s	6sw	8sw	„	thunderstorm
30	10cu	8cu	9cu	9.0	6nw	5sw	6sw	„	
31	9cu	3cu	3cu	5.0	2sw	2w	3w	„	
				7.09					

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	2	0	1	6	16	2	2	1	1	31
14:30	6	1	0	4	11	5	1	1	2	31
20:30	6	1	0	4	10	4	4	1	1	31
Totals	14	2	1	14	37	11	7	3	4	93

Number of days with rain 17, fog 0, thunderstorms 1, gale 0.

62-yr. average number of days with rain during month 15.3